

LESSON PLAN-2022-2023
SWAMI VIVEKANANDA SCHOOL OF ENGG & TECH, BBSR

sl.no	Discipline- ELECTRICAL	Semester- 3RD	Name of Teaching faculty- TAPAN SWAIN
CHAPTER	SUBJECT- ENVIRONMENTAL STUDIES	No of days/ per week class alloted-05	SEM From date- 16.09.2022- No of weeks-15
	Week	Class day	Theory Topics
1	2 ND	16.9.2022	The Multidisciplinary nature of environmental studies: Definition, scope and importance.
		19.09.2022	Need for public awareness-environmental studies
2		20.09.2022	Natural Resources- Energy Resources: Growing energy need, renewable and non-renewable energy sources
	2nd	21.09.2022	Use of alternate energy sources, Case studies
		22.09.22	Over-exploitation of Forest resources ,Deforestation, effects of deforestation Use of Forest resources
		23.09.2022	preventive measures of conservation of forests. Dams and their effects on forests and tribal pepole people
		24.09.2022	Mineral Resources- Use and exploitation,Environmental effects of extracting and using minerals resources.
	3rd	26.09.2022	Environmental damage caused by mining activites.effect and impact of modren agriculture
		27.09.2022	Food Resources: World food problems,Changes caused by agriculture and over grazing
		28.09.2022	Effects of modern agriculture, fertilizers- pesticides problems, water logging, salinity
	4th	29.09.2022	Water resources- over-utilization of surface and ground water
		30.09.2022	Conflicts over water, dam's benefits and problems,Land Resources: Land as a resource
		10.10.2022	land degradation, man induces landslides, soil erosion, and desertification.
		11.10.2022	INTERNAL
		12.10.2022	Role of individual in conservation of natural resources. Equitable use of resources for sustainable life styles
	13.10.2022	Environmental Pollution: Definition Causes, effects and	

			control measures of Air pollution
	1st	14.10.2022	Water pollution-Types, effects and sources of water pollution
	2nd	15.10.2022	SOIL POLLUTION-Types,Control measures of soil pollution
		17.10.2022	Marine pollution-Source of marine pollution
		18.10.2022	Effects of marine pollutants
		19.10.2022	NOISE POLLUTION -Types of noise, Effects of Noise pollution
	3rd	20.10.2022	Control and preventing measures of noise pollution
		21.10.2022	DURGAPUJA HOLIDAY
		22.10.2022	THERMAL Pollution-Sources of thermal pollution
		26.10.2022	Effects of thermal pollution,Control measures of thermal pollution
	4th	27.10.2022	Nuclear Hazard- Sources of Nuclear Hazards:
		28.10.2022	Control measures from Nuclear Hazards, Disposal of Radioactive wastes:
		29.10.2022	1ST INTERNAL Process of Solid WASTE Management,disaster management- floods,cyclones, land slides
	5th	31.10.2022	1ST INTERNAL Disaster Management- Earth Quakes, Tsunami
		01.11.2022	1ST INTERNAL
		02.11.2022	Concept of an Eco system -Structure and Components of an Ecosystem
	1st	03.11.2022	Energy flow through atmosphere to an ecosystem
		04.11.2022	FOREST ECOSYSTEM-Structure and Function of Forest Ecosystem
		05.11.2022	GRASSLAND ECOSYSTEM, AQUATIC ECOSYSTEMS
		07.11.2022	INTERNAL
	2nd	10.11.2022	INTERNAL
		11.11.2022	INTERNAL
		12.11.2022	FOOD CHAIN, FOOD WEB, ECOLOGICAL PYRAMIDS, ECOLOGICAL SUCCESSION
		13.11.2022	BIODIVERSITY-VALUES OF BIODIVERSITY
	3rd	15.11.2022	Biogeographically classification of India
		16.11.2022	Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and optin values
		17.11.2022	Biodiversity at global, national and local level
		18.11.2022	Threats to biodiversity: Habitats loss, poaching of wild life, man wildlife conflicts.
	4th	19.11.2022	CONSERVATION OF BIODIVERSITY

4		21.11.2022	Social issues and the Environment- Sustainable Development
		22.11.2022	Urban problems related to energy
		23.11.2022	Water conservation, rain water harvesting, water shed management.
		24.11.2022	Resettlement and rehabilitation of people; its problems and concern
	1st	25.11.2022	Environmental ethics: issue and possible solutions
		26.11.2022	Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies.
5		28.11.2022	Environmental Ethics, Air (prevention and control of pollution) Act.
	2nd	29.11.2022	Water (prevention and control of pollution) Act. Public awareness.
		30.11.2022	Human population and the environment
		01.12.2022	Population growth and variation among nations
		02.12.2022	Population explosion- family welfare program.
	3rd	03.12.2022	Environment and human health, Human rights, Value education
		05.12.2022	Role of information technology in environment and human health.
		06.12.2022	INDIAN CONSTITUTION

HOD

PRINCIPAL